

IN THE CLAIMS:

Claims 1-14 (Canceled):

15. (Currently amended): A ~~separation~~ method of collecting substances characterized in that a comprising

positioning liquid containing substances ~~subjected to influence by a negative dielectrophoretic force generated by application of voltage to said electrode is positioned at in the vicinity of~~ an electrode having a vacant space therein ~~or above the vacant space or in the vicinity thereof, or is caused to flow above or below thereof,~~

subjecting said liquid containing substances to influence by a negative dielectrophoretic force generated by application of voltage to said electrode, and

~~so as to concentrate~~ collecting said substances subjected to influence by a negative dielectrophoretic force in the vicinity of said vacant space ~~or above or below position of the space.~~

16. (Currently amended): The ~~separation~~ method according to claim 15 wherein said electrode ~~composes an electrode construction with~~ is on a substrate ~~on which said electrode is provided~~ and a lid is provided adjacent to said electrode in such a way as making that a gap is formed between said electrode and said lid, and a said liquid containing substances subjected to influence by said negative dielectrophoretic force is

~~charged through~~ provided in said gap to allow the substances to contact with ~~or to~~
~~communicate to~~ the electrode.

17. (Currently amended): The ~~separation~~ method according to claim 16 wherein
said substance subjected to influence by said negative dielectrophoretic force is a complex
of ~~"a substance binding to a substance to be measured", "a substance subjected to~~
~~influence by a negative dielectrophoretic force", and the substance to be measured which~~
~~binds to said "substance binding to a substance to be measured"~~ a substance binding to
a substance to be measured, a substance subjected to influence by a negative
dielectrophoretic force, and the substance to be measured which binds to said "substance
binding to a substance to be measured.

18. (Currently amended): The ~~separation~~ method according to claim 17 wherein
said ~~"substance subjected to influence by a negative dielectrophoretic force" is "a granular~~
~~substance subjected to influence by a negative dielectrophoretic force"~~ substance
subjected to influence by a negative dielectrophoretic force is a granular substance
subjected to influence by a negative dielectrophoretic force.

19. (Currently amended): A ~~detection~~ method of detecting substances characterized
~~in that a~~ comprising

positioning liquid containing substances ~~subjected to influence by a negative~~

~~dielectrophoretic force generated by application of voltage to said electrode is positioned at in the vicinity of an electrode having a vacant space therein or above the vacant space or in the vicinity thereof, or is caused to flow above or below thereof,~~

subjecting said liquid containing substances to influence by a negative dielectrophoretic force generated by application of voltage to said electrode,

~~so as to concentrate~~ collecting said substances subjected to influence by a negative dielectrophoretic force in the vicinity of said vacant space ~~or above or below position of the space, and then optically detecting~~ said substance ~~is optically detected~~.

20. (Currently amended): The ~~detection~~ method according to claim 19 wherein said substances subjected to influence by said negative dielectrophoretic force is a complex of ~~"a substance binding to a substance to be measured", "a substance subjected to influence by a negative dielectrophoretic force" and the substance to be measured which binds to said "substance binding to a substance to be measured"~~ a substance binding to a substance to be measured, a substance subjected to influence by a negative dielectrophoretic force and the substance to be measured which binds to said substance binding to a substance to be measured.

21. (Currently amended): The ~~detection~~ method according to claim 20 wherein said ~~"substance subjected to influence by a negative dielectrophoretic force" is "a granular substance subjected to influence by a negative dielectrophoretic force"~~ substance

subjected to influence by a negative dielectrophoretic force is a granular substance
subjected to influence by a negative dielectrophoretic force.

22. (Withdrawn): A dielectrophoretic apparatus characterized in that in a dielectrophoretic apparatus provided with an electrode on a substrate, a construction for realizing an increase of non-uniform electric field region is formed among electrodes.

23. (Withdrawn): A dielectrophoretic apparatus characterized in that in a dielectrophoretic apparatus provided with an electrode on a substrate, the places among said electrodes are made in lower level than the electrode level.

24. (Withdrawn): The dielectrophoretic apparatus according to claim 23 wherein said electrode is held by a convex construction on said substrate to make the places among said electrodes in lower level than said electrode level.

25. (Withdrawn): A method for manufacturing a dielectrophoretic apparatus characterized in that a substrate is excavated by physical or chemical means to make the places among said electrodes in lower level than said electrode level.

26. (Withdrawn): The method for manufacturing a dielectrophoretic apparatus according to claim 25 wherein said chemical means is an etching using an etching liquid for the substrate of said dielectrophoretic apparatus.

27. (Canceled):

28. (Canceled):

29. (New): A method according to claim 15, wherein the liquid containing substances is positioned above the vacant space of the electrode.

30. (New): A method according to claim 15, wherein the liquid containing substances is positioned by causing the liquid to flow about the electrode.

31. (New): A method according to claim 30, wherein the liquid containing substances is positioned by causing the liquid to flow above the electrode.

32. (New): A method according to claim 29, wherein the liquid containing substances is positioned by causing the liquid to flow below the electrode.

33. (New): A method according to claim 15, wherein the liquid containing substances is positioned above the vacant space of the electrode.

34. (New): A method according to claim 15, wherein the liquid containing substances is positioned by causing the liquid to flow about the electrode.

35. (New): A method according to claim 30, wherein the liquid containing substances is positioned by causing the liquid to flow above the electrode.

36. (New): A method according to claim 29, wherein the liquid containing substances is positioned by causing the liquid to flow below the electrode.

37. (New): A method according to claim 19, wherein the liquid containing substances is positioned above the vacant space of the electrode.

38. (New): A method according to claim 19, wherein the liquid containing substances is positioned by causing the liquid to flow about the electrode.

~~39. (New): A method according to claim 38, wherein the liquid containing~~
substances is positioned by causing the liquid to flow above the electrode.

40. (New): A method according to claim 37, wherein the liquid containing substances is positioned by causing the liquid to flow below the electrode.

41. (New): A method according to claim 19, wherein the liquid containing substances is positioned above the vacant space of the electrode.

42. (New): A method according to claim 19, wherein the liquid containing substances is positioned by causing the liquid to flow about the electrode.

43. (New): A method according to claim 38, wherein the liquid containing substances is positioned by causing the liquid to flow above the electrode.

44. (New): A method according to claim 37, wherein the liquid containing substances is positioned by causing the liquid to flow below the electrode.

IN THE DRAWINGS:

Attached please find redlined drawings Figs. 6 through 11 which have been amended to include the legend "PRIOR ART."

Also, attached are substitute drawings for Figures 6-11 incorporating the change mentioned above.